

Figure 1(b)

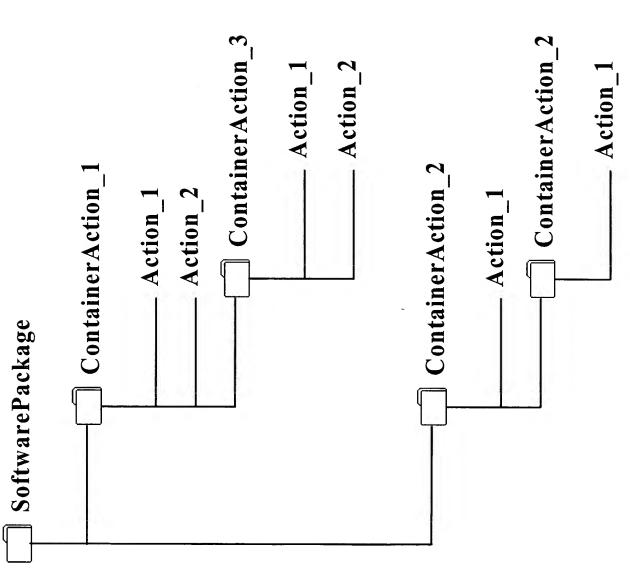
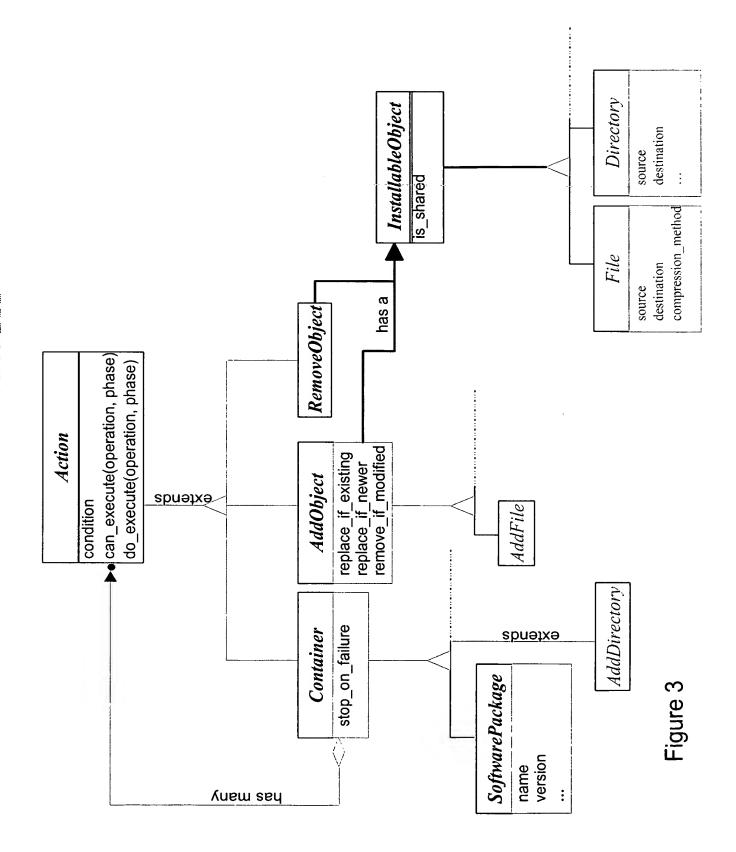
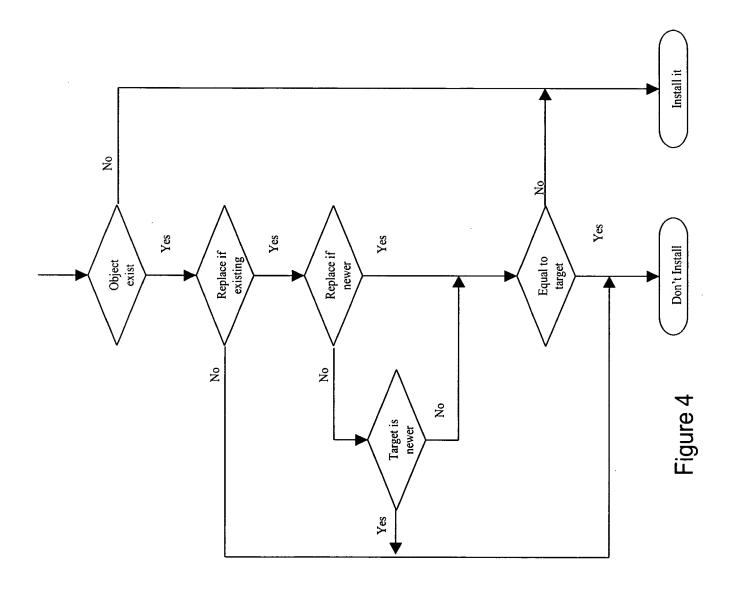
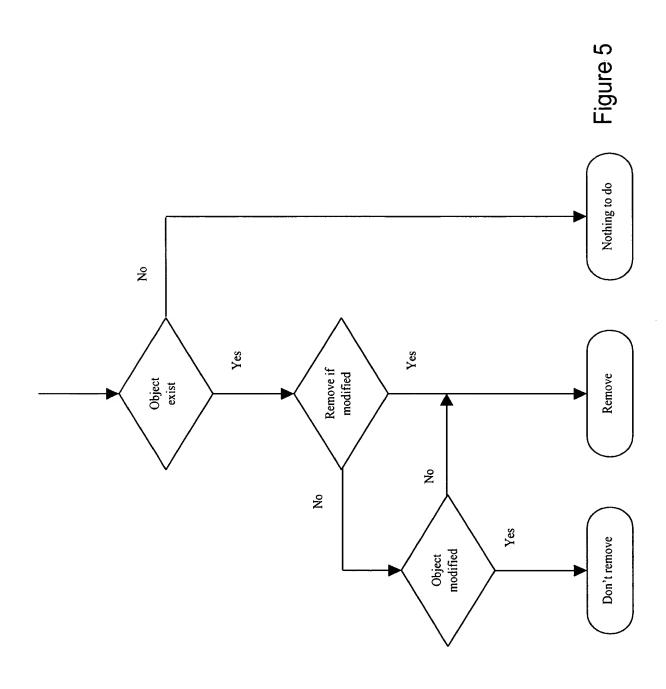


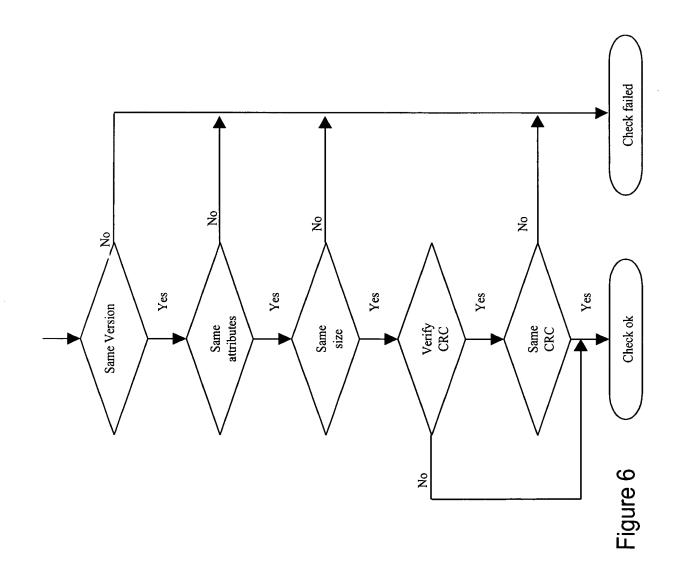
Figure 2











Object related actions	Registry Key and Value
	Shell Folder and Shortcut
	INI file Section and Item
	NT Service
	Profile Item
	Desktop Object, Folder,
	Program, Shadow
	Directory and File
	Text file line, command, token
	Symbolic link

	-
Restart	Check disk space
System actions and Checks	

ogram actions	Execute user program
)	Execute MS Setup program
	Execute InstallShield program
	Execute CID Program

Figure 7

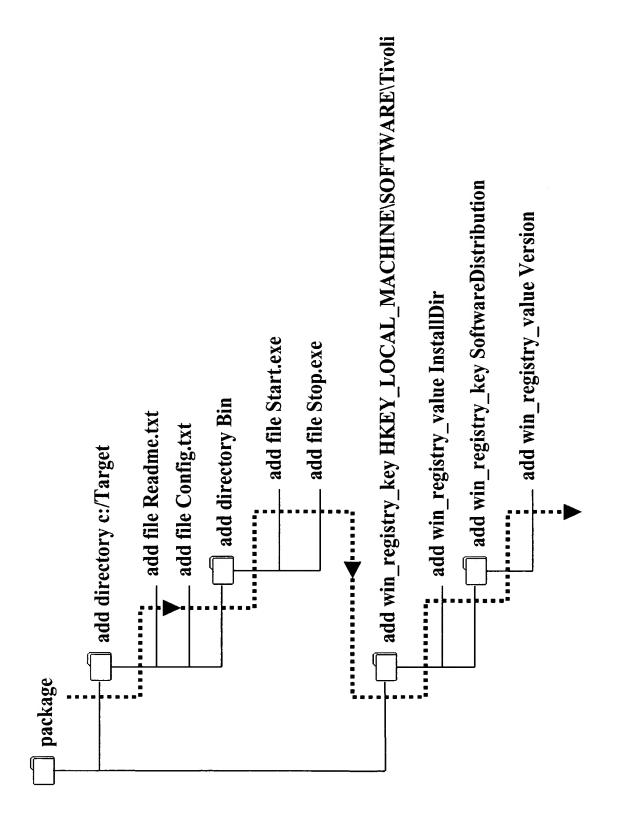


Figure 8

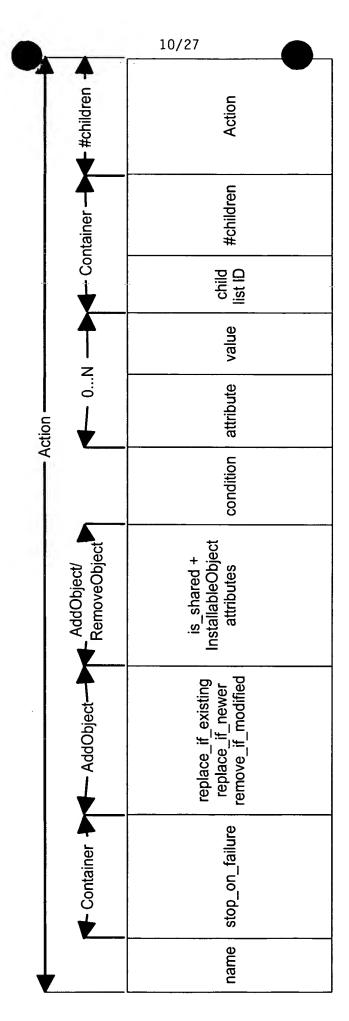


Figure 9

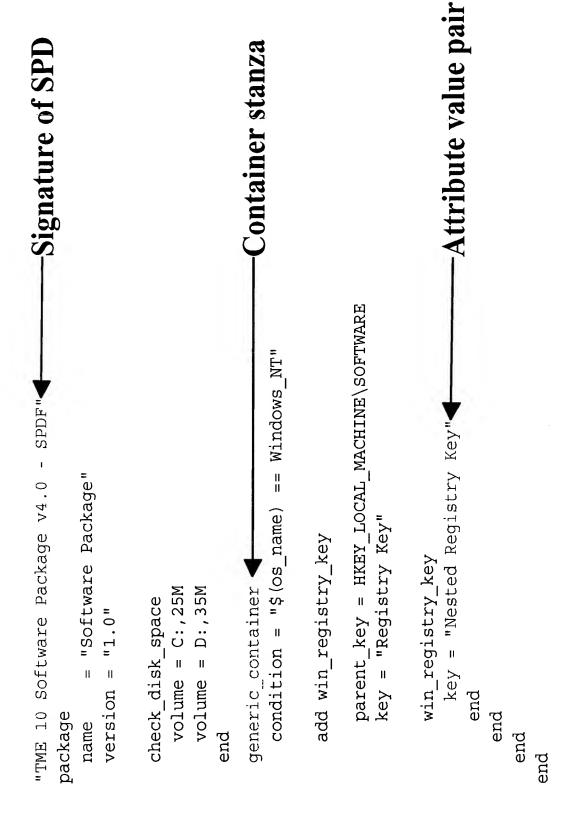
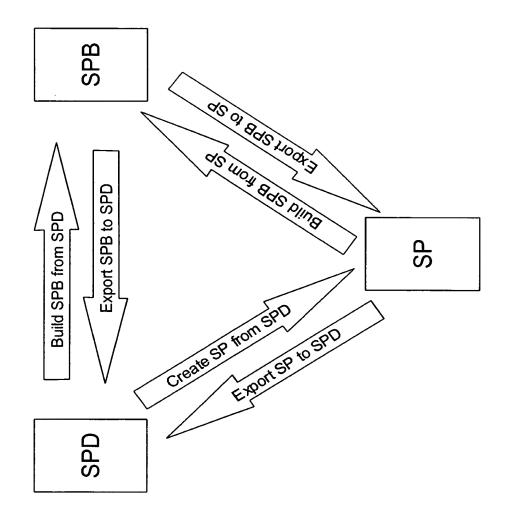


Figure 10

Figure 1'



	sectory	cion = $c:/Winnt/System32/$	destination = \$(system_dir)		ne = MyApp.DLL			sectory	cion = c:/MyApp	$destination = \$(target_dir)$	$descend_dirs = y$		
:	add directory	location	desti	file	name	end	end	add directory	location	desti	desce	end	
		= c:/Winnt/System32/	= c:/Winnt/System32/		= MyApp.DLL				= c:/MyApp	= c:/MyApp	λ =		
:	add directory	location	destination	file	name	end	end	add directory	location	destination	descend_dirs	end	

Figure 12(a)

```
condition = "$(os_name) == SunOS OR $(os_name) == AIX"
                       condition = "$(os_name) LIKE 'Win*'"
                                                  = c:/winnt/system32
                                                                          destination = \$(system_dir)
                                                                                                                                 name = MyApp.DLL
add directory
                                                                                                                                                                                                                add directory
                                                 location
                                                                                                     file
                                                                                                                                                           end
                                                                                                                                                                                      end
```

= \$(home_path)

destination

= MyApp.a

name

end

end

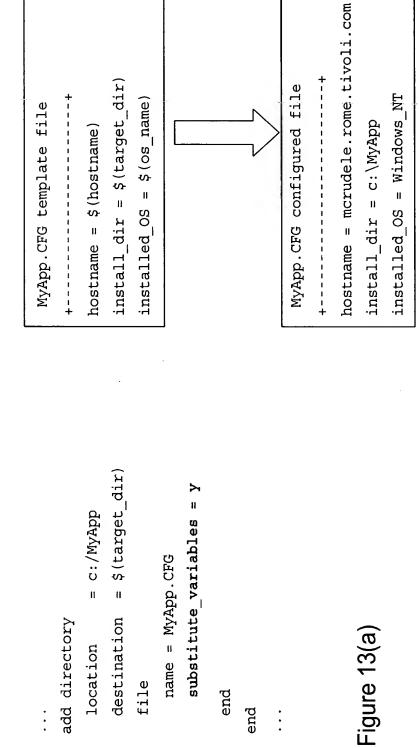
:

file

= c:/unix/

location

Figure 12(c)



file

end

end

Figure 13(b)

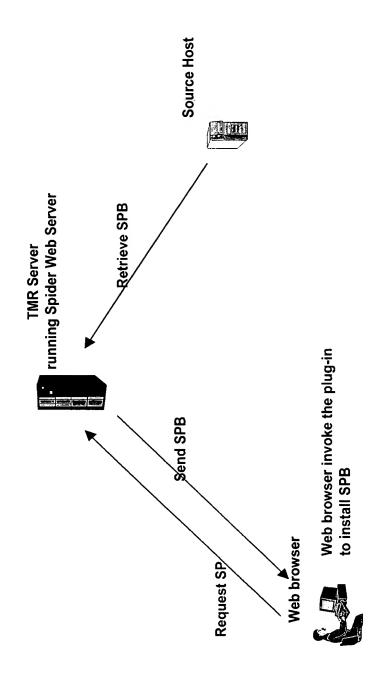


Figure 14

wdcrtsp	Create a SPB file from a SPD file
wdexptsp	Export a SPB file into SPD file
qdsplqpw	Build a SPB file from a SP
autopack	Run AutoPack snapshots/differences
wdinstsp	Install a SPB
wdrmvsp	Remove a SP
wdcmmtsp	Commit a SP
dsopunpw	Undo a SP Install/Remove
wdacptsp	Accept an undoable Install/Remove
wdversp	Verify the state of a SP

Figure 15

wimpspo	Associate a Software Package to a SPO
wconvspo	Convert the format of a SPO
wexpspo	Export a SPO into SPD file
wldsp	Loads SP on one or more Depots
dsplnw	UnLoad a SP from one or more Depots
winstsp	Install a SP
wremovsp	Remove a SP
wcommtsp	Commit a SP
dsopunm	Undo a SP Install/Remove
waccptsp	Accept an undoable Install/Remove
wversp	Verify the state of a SP

Figure 16

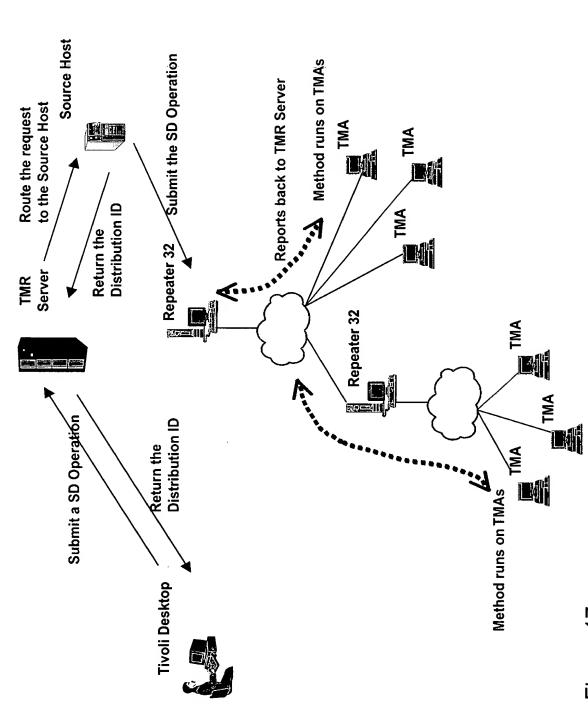


Figure 17

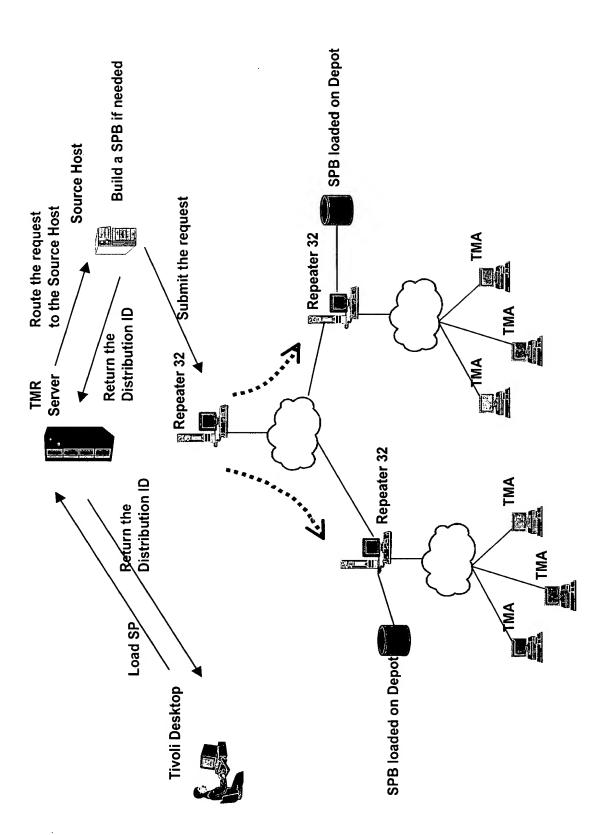


Figure 18

1
7
4 4
П
1 1

	Install	Remov	Accept	Undo	Install Remov Accept Undo rollBack Commit Verify	Commit	Verify
		Ф					
transactional	×	X		×			
undoable	×	X					
undoable in	×	X					
transactional							-
transactional & X	×	X					
undoable							

Operation	State	Undo state	Reboot state	T ag
Install	Prepared	Prepared	ReBoot requested	Changing
Remove	Committed	Undoable		In Error
		Restored		-
		-		

IC--- means that an Install has been committed

IP-BC means that an Install has been prepared and it will be committed ICU-- means that an Install has been committed and can be undone

during the next reboot

IC--E means that an Install has been committed but the SP is in error, so RCU-- means that a Remove has been committed but it can be undone the application may not work properly

Figure 20

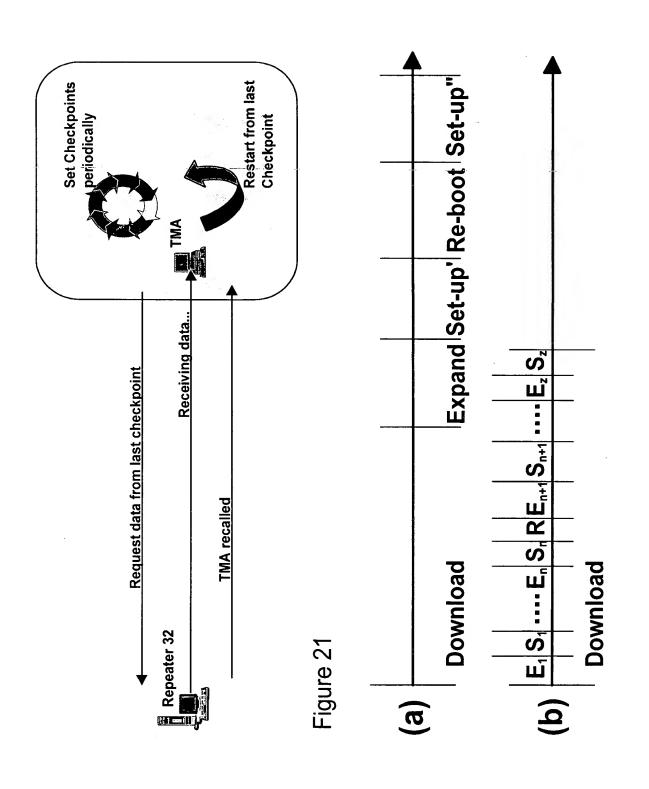
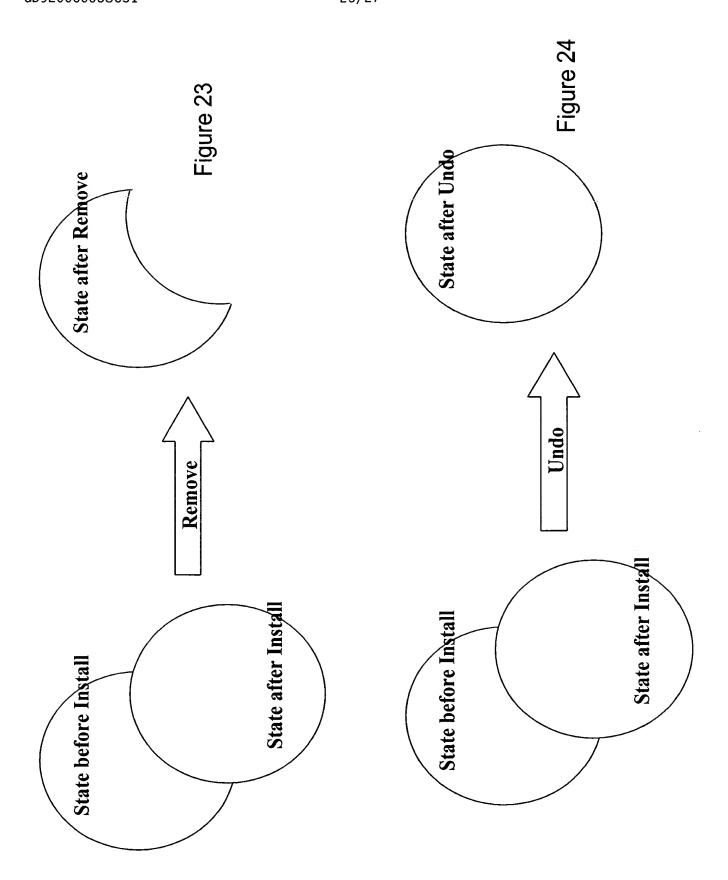
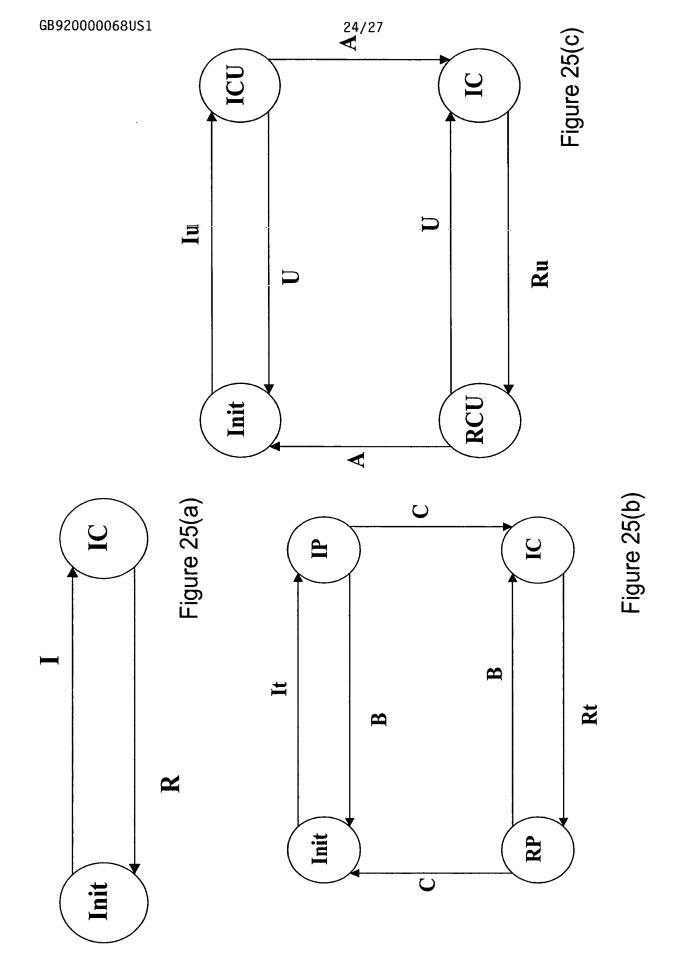
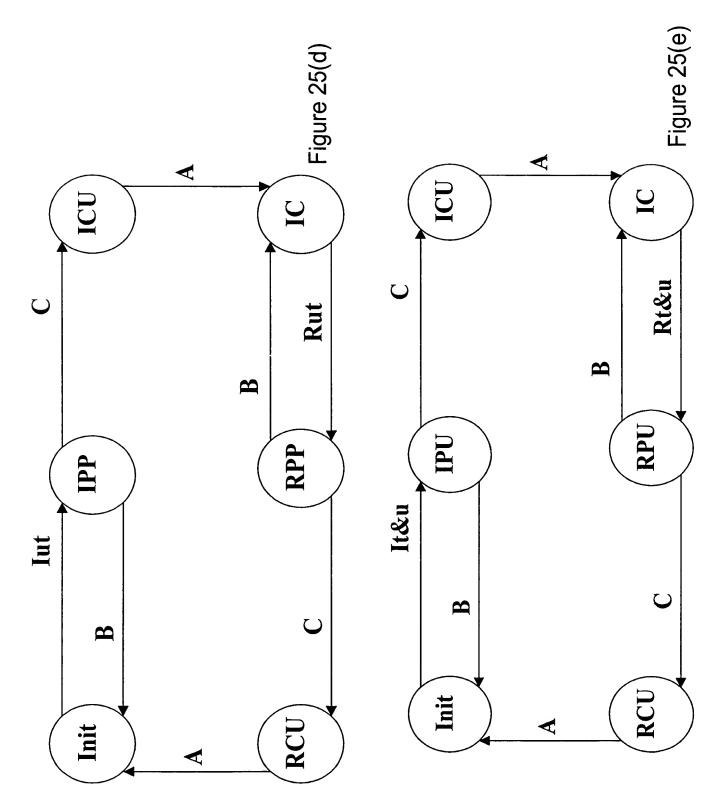


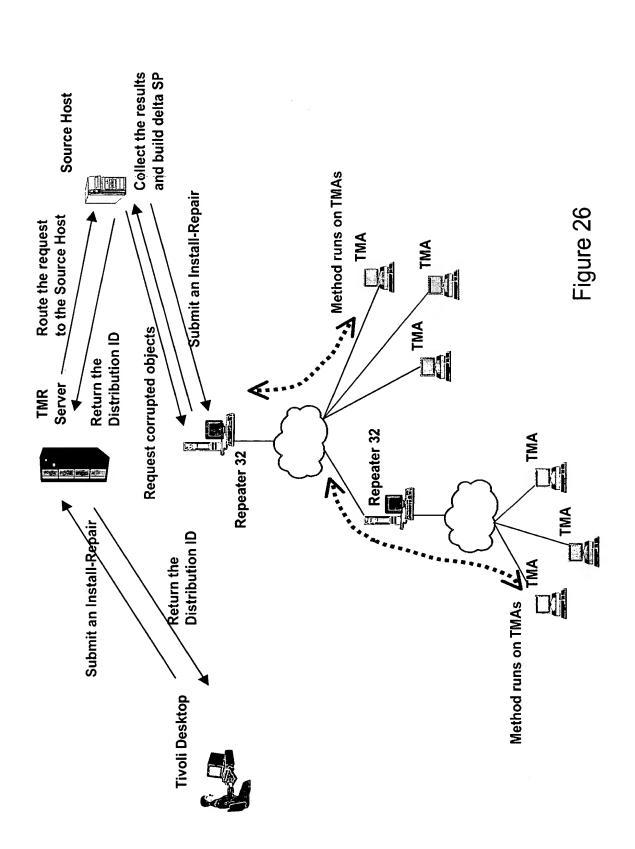
Figure 22





DSZEESII. DIESDI





```
arguments = "USE $(freedrive_01) $(remote_name)"
                                                                                                                                                                                  ## Run the setup to perform the installation
                                                                                                                                                                                                                                                                = $(freedrive_01)/setup.exe
                                                                           = $(system_dir)/NET.EXE
                                                                                                                                                                                                                                                                                                                                                                                                                                                = $(system_dir)/Net.EXE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         arguments = "$(freedrive_01) /d"
                                                                                                                                                                                                                                                                                                                                                                   ## U-mount the image directory
## Mount the image directory
                                                                                                                                                                                                                                                                                         arguments = "/Q1/B1"
                                                                                                                                                                                                           execute_mssetup_program
                         execute_user_program
                                                                                                                                                                                                                                                                                                                                                                                               execute_user_program
                                                                                                                                                                                                                                                                                                                                                                                                                       during_install
                                                  during_install
                                                                                                                                                                                                                                     during_install
                                                                              name
                                                                                                                                                                                                                                                                  name
                                                                                                                                                                                                                                                                                                                                                                                                                                                  name
                                                                                                                                                                                                                                                                                                                    end
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     end
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              end
                                                                                                                                                          end
```

Figure 27